

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/539, 430  
Source: IFWP  
Date Processed by STIC: 12/16/2005

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/559,430

DATE: 12/16/2005

TIME: 15:07:44

Input Set : A:\049202 303784.txt

Output Set: N:\CRF4\12162005\J559430.raw

```

3 <110> APPLICANT: Stefan Werner
4     Romy Kandzia
5     Serik Eliby
6     Sylvestre Marillonnet
7     Victor Klimyuk
8     Yuri Gleba
10 <120> TITLE OF INVENTION: Safe production of a product of interest in hybrid seeds
12 <130> FILE REFERENCE: 049202/303874
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/559,430
C--> 14 <141> CURRENT FILING DATE: 2005-12-02
14 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/006069
15 <151> PRIOR FILING DATE: 2004-06-04
17 <150> PRIOR APPLICATION NUMBER: DE10325814.0
18 <151> PRIOR FILING DATE: 2003-06-06
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 33
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: PCR primer
32 <400> SEQUENCE: 1
33 aactgcagtc tagactggcc gtcgttttac aac 33
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 37
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: PCR primer
44 <400> SEQUENCE: 2
45 aactgcagaa caattgctcg aggcgtaatc atgggtca 37
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 40
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: PCR primer
56 <400> SEQUENCE: 3
57 gggaattcac tagtaaagat ctgccgtcga cttggaattg 40
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 28
62 <212> TYPE: DNA

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63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: PCR primer
68 <400> SEQUENCE: 4
69 caatgcatca tggcgcatca cgcttagg 28
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 39
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: PCR primer
80 <400> SEQUENCE: 5
81 aagctgcaga aggatcctct ggacttacac gtggaatgg 39
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 28
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: PCR primer
92 <400> SEQUENCE: 6
93 cgctcgaggc cgtcgacttg gaattgtc 28
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 25
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: PCR primer
104 <400> SEQUENCE: 7
105 gaagatctgc aagaggaggt cagca 25
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 33
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: PCR primer
116 <400> SEQUENCE: 8
117 aagctgcaga tctatttcta tgattcgata acc 33
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: PCR primer
128 <400> SEQUENCE: 9
129 gcacgccgaa ggcgacgaag 20
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 48
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence

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137 <220> FEATURE:
138 <223> OTHER INFORMATION: PCR primer
140 <400> SEQUENCE: 10
141 ggatcctaaa ccttcctctt cttcttaggc gccgctacgt cttccgtg      48
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 21
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: PCR primer
152 <400> SEQUENCE: 11
153 agaattcaca ccgatgggct c      21
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 21
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: PCR primer
164 <400> SEQUENCE: 12
165 tgaattctgc acactcccac g      21
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 31
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: PCR primer
176 <400> SEQUENCE: 13
177 ttccatggag ttacctcggg agtccttggt g      31
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 41
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: AttP recombination site
188 <400> SEQUENCE: 14
189 ttgcatgcgg ccgcaaaata gtattttatt catctcatgt c      41
192 <210> SEQ ID NO: 15
193 <211> LENGTH: 51
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: AttP recombination site
200 <400> SEQUENCE: 15
201 gtagtgcccc aactggggta acctttgagt tctctcagtt gggggcgtag a      51
204 <210> SEQ ID NO: 16
205 <211> LENGTH: 69
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:

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## RAW SEQUENCE LISTING

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210 <223> OTHER INFORMATION: AttB recombination site
212 <400> SEQUENCE: 16
213 tcgaagccgc ggtgcggtg ccagggcgtg cccttgggct ccccgggcgc gtactccacc      60
215 tcaccatc                                          69
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 124
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: N-terminal barnase part with restriction site
226 <400> SEQUENCE: 17
227 gcaatcgatg gcacaggtta tcaacacggt tgacgggggt gcggattatc ttcagacata      60
229 tcataagcta cctgataatt acattacaaa atcagaagca caagccctcg gctgggacgt      120
231 ccgc                                          124
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 245
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: C-terminal part of barnase with restriction site
242 <400> SEQUENCE: 18
243 cgccatgggg tggcatcaaa agggaaacct gcagacgtcg ctccggggaa aagcatcggc      60
245 ggagacatct tctcaaacag ggaaggcaaa ctcccgggca aaagcggacg aacatggcgt      120
247 gaagcggata ttaactatac atcaggtctc agaaattcag accggattct ttactcaagc      180
249 gactggctga ttacaaaac aacggaccat tatcagacct ttacaaaaat cagataagga      240
251 tccgc                                          245
254 <210> SEQ ID NO: 19
255 <211> LENGTH: 43
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: PCR primer
262 <400> SEQUENCE: 19
263 gtaagcttga cgtcagagag agtggatgca tcagtggaga tag                          43
266 <210> SEQ ID NO: 20
267 <211> LENGTH: 35
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: PCR primer
274 <400> SEQUENCE: 20
275 cactgcagct ataattgtaa agaggagctt tctag                          35
278 <210> SEQ ID NO: 21
279 <211> LENGTH: 45
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: PCR primer
286 <400> SEQUENCE: 21

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Input Set : A:\049202 303784.txt

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287 gtgagctcga tcgattcatg agcccagaaa tagaaaagtt gtctc 45
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 48
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR primer
298 <400> SEQUENCE: 22
299 tcaagcttcc atggtcttgc tcttcaactgt tatggacaat gatgtcat 48
302 <210> SEQ ID NO: 23
303 <211> LENGTH: 29
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR primer
310 <400> SEQUENCE: 23
311 cgcaattggg ggcaagaggc ctaccatct 29
314 <210> SEQ ID NO: 24
315 <211> LENGTH: 30
316 <212> TYPE: DNA
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: PCR primer
322 <400> SEQUENCE: 24
323 gcgagctctt ctctttctct cactagtatt 30
326 <210> SEQ ID NO: 25
327 <211> LENGTH: 30
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: PCR primer
334 <400> SEQUENCE: 25
335 cggaattcca gctcatcaac caaactctgt 30
338 <210> SEQ ID NO: 26
339 <211> LENGTH: 31
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: PCR primer
346 <400> SEQUENCE: 26
347 gcgagctctt tgctctgtgt ctagactatc c 31

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/559,430

DATE: 12/16/2005

TIME: 15:07:46

Input Set : A:\049202 303784.txt

Output Set: N:\CRF4\12162005\J559430.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date